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Toshiba recommends Windows 7.

PORTÉGÉ™ Z830-002

Model: [i]
Portege Z830 PT225C-002001
- 2nd Generation Intel® Core™ i5-2557M vPro™ processor – 1.70GHz/2.70GHz, Genuine Windows® 7 Professional, 13.3" HD TFT, 4GB DDR3, 128GB SSD mS-ATA, Intel HD 3000 Graphics, LAN, 802.11agn Wireless, Bluetooth

Processor

2nd Generation Intel® Core™ i5-2557M vPro™processor (1.70GHz/2.70Ghz, 3MB Intel® Smart Cache) with Intel® Turbo Boost Technology 2.0, Intel® Hyper-Threading Technology and Intel® Virtualization Technology.

Operating System

Genuine Windows® 7 Professional

Memory

Standard Memory: 4GB DDR3 (1333MHz)
Onboard: 2GB DDR3 (1333MHz)
Slot1: 2GB DDR3 (1333MHz)
Maximum Memory: 6GB DDR3
Expansion Modules: 1GB, 2GB, or 4GB DDR3

Hard Disk Drive

128GB SSD; mSATA hard disk drive

Optical Drive

None

Display System

Type: 16:9 TFT Active Matrix colour LCD display with LED backlight
Size (diagonal): 13.3" HD
Native LCD Panel Resolution: 1366x768x16.7 million colours
External Support and Max. Colour Support (dependant on CRT): Up to 2,048 x 1536 x 16.7 million colours

Graphics Controller

Intel® HD Graphics 3000
up to 1167MB (32bit OS) or up to 1696MB (64bit OS) dynamically allocated shared graphics memory with 4GB of system memory.

Sound System

Realtek ALC269Q-VB5-GR Software Sound, High Definition Audio Link, Built-in stereo speakers

Communication

10/100/1000bps Integrated Ethernet LAN + AMT 7.0 (Wake on Lan)
Intel 802.11 a/g/n Wireless LAN
Integrated HD Web Camera (w/ Built-in Mic)
Bluetooth v3.0+HS

Expansion

Ports: SD Card Slot (Secure Digital), VGA, 2 x USB2.0, 1 x 1 x USB3.0, RJ45 (LAN), Headphone, Microphone, HDMI
Supported via Dynadock U: DVI-D x1, Audio In/Out, 4 USB 2.0
Supported via Dynadock V: DVI-D x1, VGA, Audio In/Out, Digital Audio, 6 USB 2.0

Keyboard

Canadian Bilingual (English/French) Keyboard
Full sized 87 keys with 13 function keys
Spill Resistant keyboard
Color: Tile Half Glossy Black w/Backlight

Pointing Device

Touch PAD with Gesture Control

Additional Software

Toshiba ConfigFree™
Adobe Acrobat Reader
TOSHIBA Disc Creator
Norton Internet Security™ – trial
Microsoft® Office Starter 2010 includes reduced-functionality versions of Word® and Excel® only, with advertising

Physical Dimensions

Dimensions: (WxDxH) 316 x 227 x 14.9/15.9 mm
Weight: 1.12kg (2.47lbs)
Color: Ultimate Silver w/Hair Line Finish

AC Adapter

45W external Universal AC adaptor input voltage (100 –240V 50/60Hz frequency), (19Vx2.37A)
Dimensions: 92.5 (W) x 44.9 (H) x 25.2 (D) mm
Weight: 205g

Battery

Battery Type: Rechargeable 8-cell Lithium Ion (Li-ion) 10.8V X 47Wh capacity
Battery Life: up to 8.5 hours (Mobile Mark)
Dimensions: (Non Removable Battery)

BIOS

TSETUP support, ACPI support, VESA support, SM BIOS support, PCI BIOS Support, Computrace BIOS Support, WMI Support, Panel Open-Power On

TOSHIBA EasyGuard™

Secure
- Toshiba Multiple Level Password Utilities
- Toshiba Reinforced Security Cable Lock Slot
- Execute Disable Bit (XD-Bit)
- Trusted Platform Module (TPM v1.2)
- BIOS BitLocker Drive Encryption Support
- Fingerprint Reader (includes software for password and identity management)
- BIOS Computrace™ Support

Protect
- Toshiba Spill-resistant Keyboard
- Toshiba Shock Absorbing Design
- Toshiba PC Diagnostic Tool
- Toshiba PC Health Monitor

Connect
- Toshiba ConfigFree™
- Toshiba Diversity Antenna
- Toshiba Bluetooth® Stack
- Wireless Communication On/Off

Optimize
- Toshiba Device Access Control
- Toshiba Presentation Button
- Toshiba Zooming Utility
- Toshiba Power Saver Utility
- Toshiba Eco Utility
- Toshiba Assist

*only on selected models

Environmental Specifications

Temperature: Operating 5˚to 35˚C (41˚ to 95˚F);
Non Operating –20˚ to 65˚C (-4˚ to 149˚F)
Thermal Gradient: Operating 15˚ C per hr. max;
Non Operating 20˚ C per hr. max
Relative Humidity: Operating 20% to 80% non-condensing;
Non-Operating: 10% to 90% non-condensing
Altitude (relative to sea level): Operating: -60 to 3,000m.;
Non-Operating: -60 to 10,000m.
Shock: Operating: 10G; Non-Operating 60G
Vibration: Operating 0.5G, 0.25G; Non-Operating: 1G

Environmental Credentials

Energy Star 5.0
RoHS
EPEAT Gold

Canada and International Limited Warranty

This Portege notebook comes with a three (3) year parts and labour Limited International Warranty. Note the original battery is warranted for one year from date of purchase. Pre-installed software is excluded form TCL standard limited warranty. For complete details on this warranty program and other Warranty Programs such as On-site and Next Business Day Service visit www.toshiba.ca/warranty

Accessories

ACC057 – Noteworthy 13.3" Topload case
PA3834A – 1DV2 – USB External Optical Drive
PA3822C -1AC3 – 45W Universal AC Adaptor
PA3714C – 1AC3 – 65W Universal AC Adaptor
PA3844C – 1ERB – 2.4Ghz Wireless Optical Mouse
PA3714C-1AC3 Universal AC Adaptor
PA3778U-1PRP-Dynadock V Universal USB Docking Station
PA3575U-1PRP-Dynadock U Universal USB Docking Station

Part Number/UPC code

PT225C-002001 / 6-23506-03185-1

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Central Processing Unit ("CPU") Performance Disclaimer: CPU performance in your computer product may vary from specifications under the following conditions:
- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high

altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95°F) or > 25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration. Under some conditions, your computer product may automatically shutdown. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Support for more information.

Hard Disk Drive Disclaimer: 1 Gigabyte (GB) means 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

GPU: Graphics processor unit ("GPU") performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

Memory: Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. For PC's configured with 4 GB of system memory, the full system memory space for computing activities will be considerably less and will vary by model and system configuration.

TFT Display Disclaimer: Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

LCD: Over a period of time, and depending on the usage of the computer, the brightness of the LCD screen will deteriorate. This is an intrinsic characteristic of LCD technology. Maximum brightness is only available when operating in AC power mode. Screen will dim when the computer is operated on battery power and you may not be able to increase the brightness of the screen.

Weight: Weight may vary depending on actual configuration.

Battery: Battery life may vary considerably depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba of Canada website at toshiba.ca/accessories

Software: The included additional software is subject to change without notice. No substitution of software permitted. For further information please visit toshiba.ca/support

Subject to Change:

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